



INTERNATIONAL UNION
FOR ROAD-RAIL
COMBINED TRANSPORT

Asset Management for Urban Rail Systems

INTERMODAL TRANSPORT IN URBAN NODES



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President

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UIRR: the industry association of intermodal freight



PARTNERS



MoU PEERS



MANUFACTURER'S PLATFORM UIRR OPERATORS



UIRR TERMINALS



GOVERNMENTAL BODIES

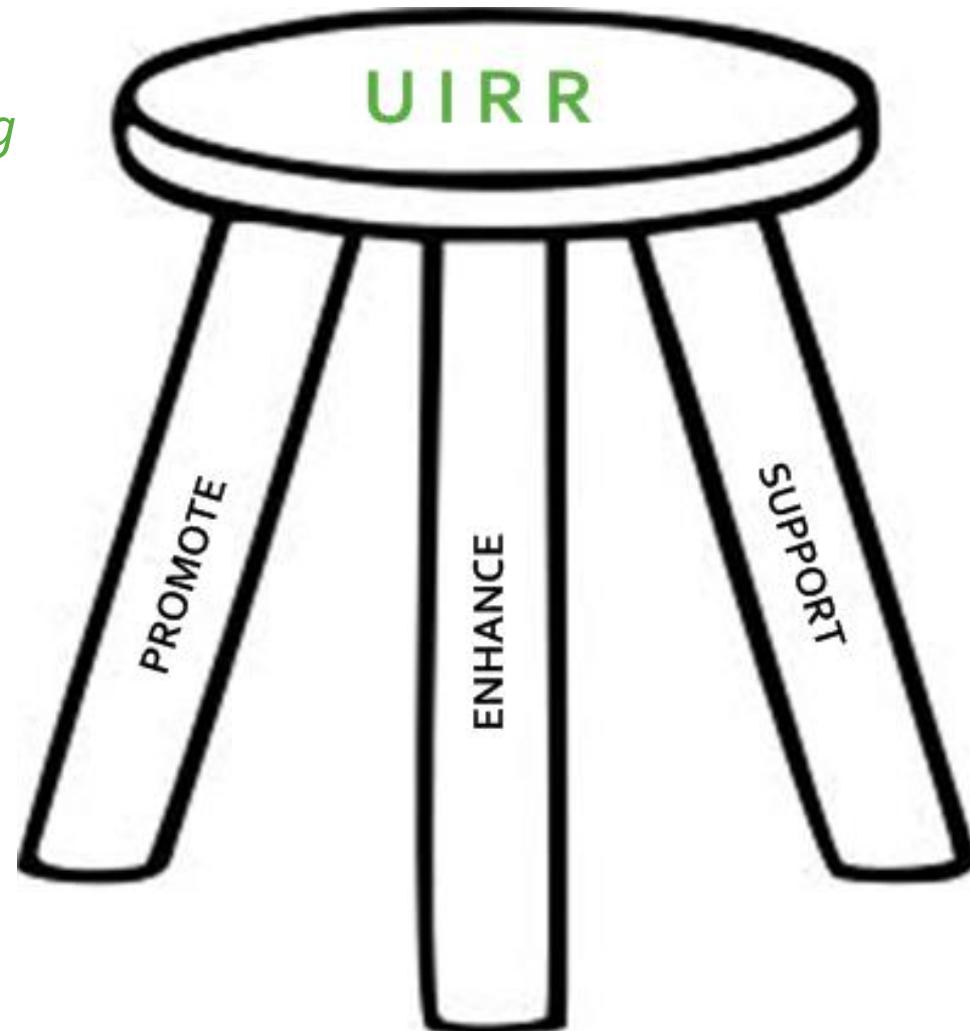


INDUSTRY ASSOCIATION PEERS

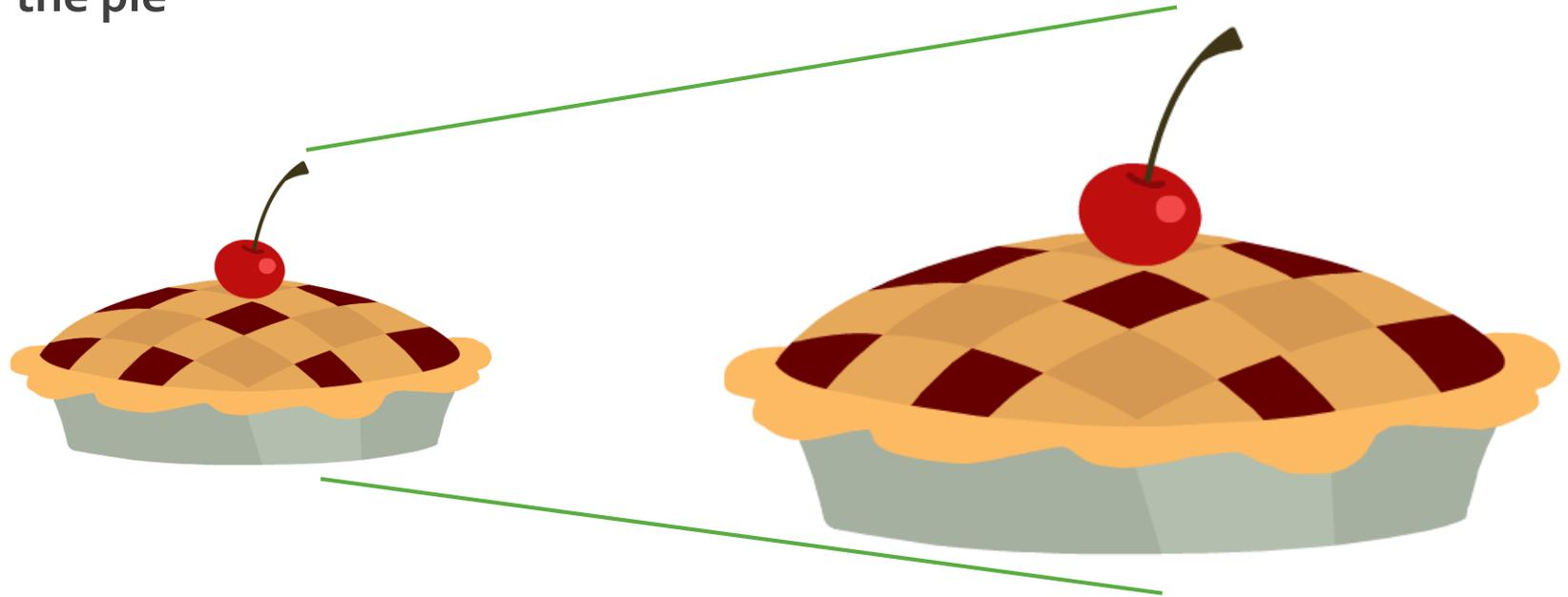


*UIRR is an **industry association** which*

- **PROMOTES** the public understanding and appreciation of Road-Rail Combined Transport,*
- **ENHANCES** its development and the proliferation of industry best practice,*
- **SUPPORTS** the daily operation of European Combined Transport with a series of services*



Grow the pie

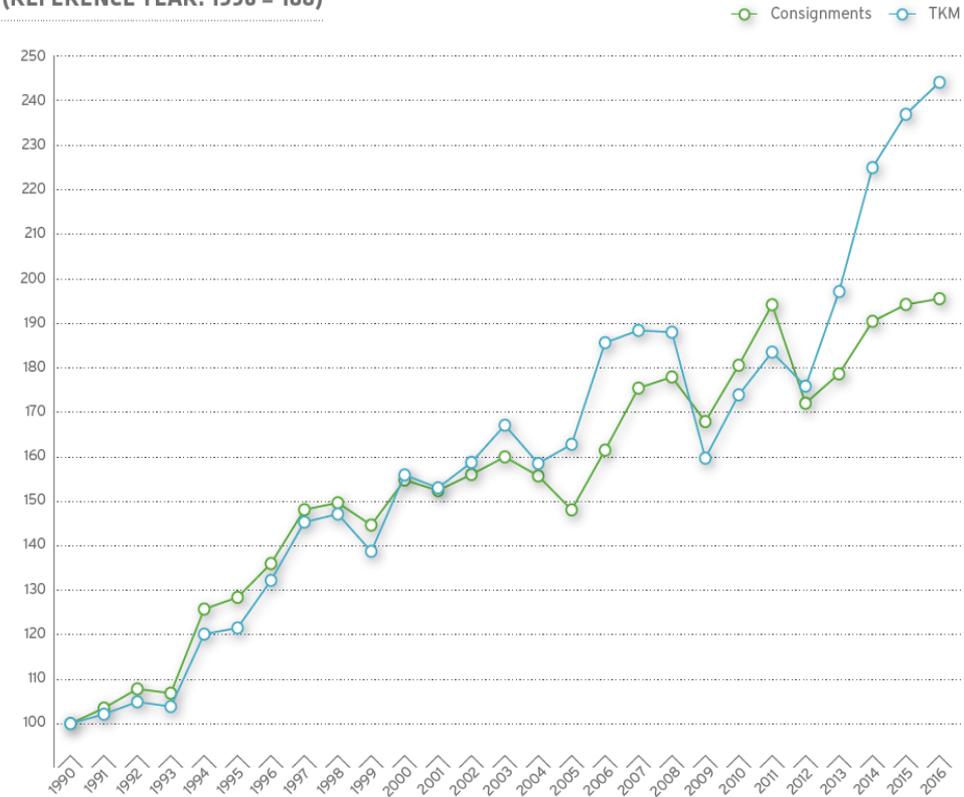


through enabling **competition and cooperation** on the basis of

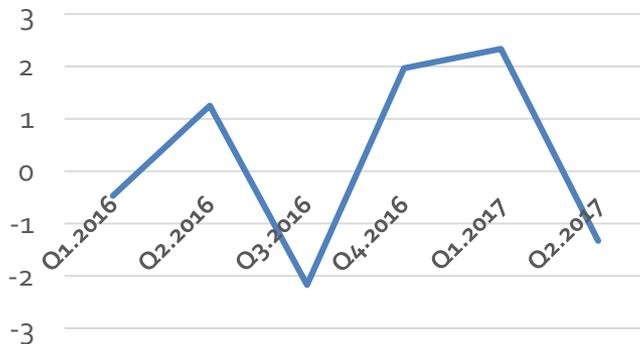
- 1) technical merit – of the particular freight transport solution offered
- 2) competence (professionalism) of those who organize CT
- 3) with UIRR as the collective voice of the intermodal sector



(REFERENCE YEAR: 1990 = 100)



UIRR Quarterly CT Performance Index since Q1.2016 (in %)

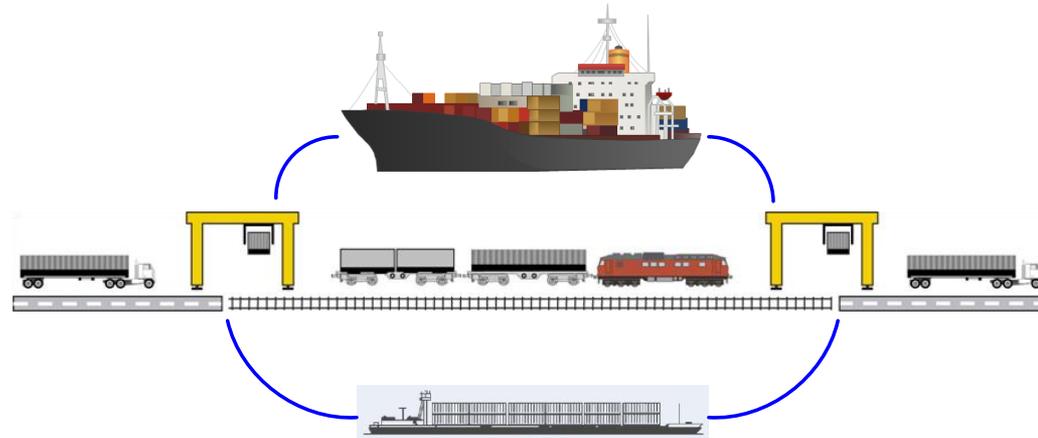




Intermodal	Directive 92/106 regarding Combined Transport
	Weights and Dimensions Directive (2015/719) and its implementing acts / standardisation initiatives
Road	Social rights, working time, cabotage rules, access to the profession and access to the market
	Road tolling, internalisation
	TEN-T Regulation / CEF Transport
Rail	Shift ² Rail / Horizon2020
	Recast First Railway Package and its implementing acts
	Technical pillar of the Fourth Railway Package and related European Railway Agency activities

Intermodal Transport: brings the best out of each mode of transport

Intermodal is the most efficient way to insert ecologically sustainable modes of transport – like electric rail, inland navigation and short sea shipping – into long(er) distance transport-chains.



Intermodal/Combined Transport in Europe





Transport/Storage:
1D vs 2D





An intermodal terminal at the heart of urban logistics: complemented by two high-flow warehouses and situated only 6 km away from the center of Stockholm, the Årsta Terminal is a mainstay of city logistics in the Swedish capital.



LNG and electric delivery vehicles: positive air quality and noise results – greater flexibility



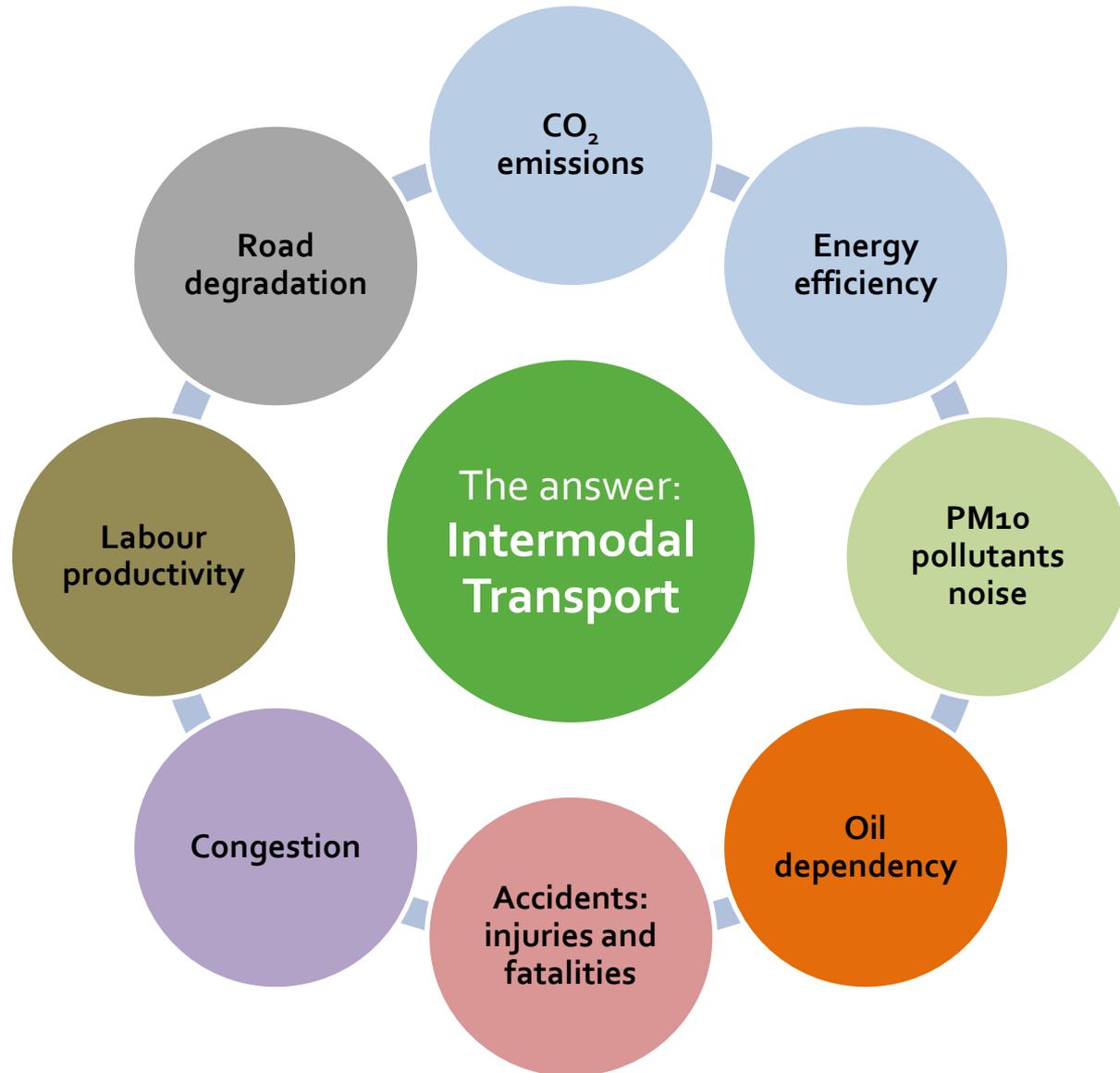


1. **Ecologically sustainable long-distance arrival** using existing electrified railway lines into urban centers
2. **Modest spatial needs:** vertical transshipment and 2D stacking
3. **High-flow warehouse capacity on site:** to open loading units and pack for final delivery
4. **Least polluting and quietest urban delivery:** using LNG and electric vehicles

The challenges of urban freight logistics



- **Climate:** CO₂ and energy efficiency
- **Environment:** air and noise pollution, vibration
- **Public security:** oil dependency
- **Safety:** accident injuries/fatalities and material losses
- **The economy:** GDP loss due to congestion
- **Employment:** high labour productivity
- **Infrastructure:** road degradation and spatial constraints





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THANK YOU
For your attention

